

Bill of Material for the PR073

**PR073B BOM**

COUNT	RefDes	DESCRIPTION	SIZE	MFR	Part Number
2	C1, C12	Capacitor, POSCAP, 330-uF, 6.3-V, 10-milliohm, 20%	7343 (D)	Sanyo	6TPD330M
1	C13	Capacitor, Ceramic, 22-uF, 6.3-V, X5R, 20%	1210		
1	C14	Capacitor, Ceramic, 0.0047-uF, 50-V, X7R, 10%	805		
1	C15	Capacitor, Ceramic, 820-pF, 50-V, X7R, 10%	805		
1	C16	Capacitor, Ceramic, 0.01-uF, 50-V, X7R, 10%	805		
2	C17, C18	Capacitor, Ceramic, 1-uF, 10-V, X5R, 10%	805		
1	C19	Capacitor, POSCAP, 470-uF, 4-V, 10-milliohm, 20%	7343 (D)	Sanyo	4TPD470M
4	C2, C20, C23, C24	Capacitor, Ceramic, 22-uF, 6.3-V, X5R, 20%	1210		
1	C21	Capacitor, Ceramic, 0.0022-uF, 50-V, X7R, 10%	805		
1	C22	Capacitor, Ceramic, 470-pF, 50-V, X7R, 10%	805		
2	J1, J2	Terminal Block, 4-pin, 15-A, 5.1mm	291126	OST	ED2227
1	L2	Inductor, SMT, 1-uH, 15-A, 3.5-milliohm	0.51 x 0.51		
2	Q1, Q2	MOSFET, N-ch, 12V, 17A, 5.5milliohm	SQ8	Siliconix	Si4866DY
2	R10, R11	Resistor, Chip, 1.8-Ohms, 1/10-W, 5%	805	Std	Std
1	R12	Resistor, Chip, 1.27k-Ohms, 1/10-W, 1%	805	Std	Std
1	R13	Resistor, Chip, 9.76k-Ohms, 1/10-W, 1%	805	Std	Std
1	R14	Resistor, Chip, 24.9k-Ohms, 1/10-W, 1%	805	Std	Std
1	R15	Resistor, Chip, 2.2-Ohms, 1/10-W, 5%	805	Std	Std
1	R16	Resistor, Chip, 12.7k-Ohms, 1/10-W, 1%	805	Std	Std
1	R9	Resistor, Chip, 11kOhms, 1/10-W, 1%	805	Std	Std
2	TP1, TP2	Adaptor, 3.5-mm probe clip ( or 131-5031-00)	72900	Tektronix	131-4244-00
3	TP3, TP5, TP7	Test Point, Red, 1mm	0.038",6400"	Farnell	240-345
2	TP4, TP6	Test Point, Black, 1mm	0.038",6400"	Farnell	240-333
1	U1	IC, Low Input Voltage Mode, Sync. Buck Controller	DGQ10	TI	TPS4000xDGQ
1	--	PCB, 2.25 In x 2.25 In x .037 In		Any	PR073B-PCB

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